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(MK) MORRISON KNUDSEN CORPORATION

10822 WEST TOLLER DRIVE
LITTLETON, COLORADO U.S.A. 80127
PHONE: (303) 948-4000/FAX: (303) 948-4010

November 4, 1999

Ms. Bonnie Lavelle
USEPA, Region 8
999 18th Street, Suite 500
Denver, CO 80202-2466

RE: MDL Study
      Vasquez Boulevard/Interstate 70 (VB/I70) Site
      Work Assignment 004-RICO-089R

Dear Bonnie,

Enclosed are results of the MDL study conducted on October 29, 1999. The four samples used for this study include a church yard soil sample (3-0CY-B) and three field samples selected by MK that contain arsenic within the range of 10 to 15 ppm (3-02418-B, 3-00919-B, and 3-02257-B). Seven aliquots of each sample were prepared individually and analyzed.

This study, using the same three samples selected by MK and the church yard soil sample received from ISSI on 11/1/99, will be conducted three more times throughout this project. Results will be forwarded to you as they become available.

If you have any questions, please call me at (303) 948-4674.

Sincerely,

Ellen McEntee
Project Chemist

Enc.

cc: Marta Valentine
    Kevin Williamson

MDL Study
I70/Vasquez Blvd

Sample ID	Date/Time Analyzed	Lead (mg/Kg)	Arsenic (mg/Kg)	NIST STD Lead %R	NIST STD Arsenic %R	Mean Lead (mg/Kg)	Mean Arsenic (mg/Kg)	Standard Deviation Lead	Standard Deviation Arsenic	Standard Deviation x 3 Lead	Standard Deviation x 3 Arsenic
3-02418-B1	10/29/99 0922	84	22								
3-02418-B2	10/29/99 0922	83	20								
3-02418-B3	10/29/99 0922	86	17								
3-02418-B4	10/29/99 0922	84	13								
3-02418-B5	10/29/99 0922	84	21								
3-02418-B6	10/29/99 0922	85	14								
3-02418-B7	10/29/99 0922	81	18	98	87	84	18	2	3	6	9
3-00919-B1	10/29/99 1045	166	10								
3-00919-B2	10/29/99 1045	105	9								
3-00919-B3	10/29/99 1045	102	9								
3-00919-B4	10/29/99 1045	110	10								
3-00919-B5	10/29/99 1045	99	15								
3-00919-B6	10/29/99 1045	103	12								
3-00919-B7	10/29/99 1045	100	15	*76	100	112	11	24	3	72	9
3-02257-B1	10/29/99 1234	206	12								
3-02257-B2	10/29/99 1234	218	11								
3-02257-B3	10/29/99 1234	199	17								
3-02257-B4	10/29/99 1234	204	21								
3-02257-B5	10/29/99 1234	226	14								
3-02257-B6	10/29/99 1234	218	10								
3-02257-B7	10/29/99 1234	218	15	100	117	213	14	10	4	30	12
3-0CY-B1	10/29/99 1411	74	13								
3-0CY-B2	10/29/99 1411	66	3								
3-0CY-B3	10/29/99 1411	80	9								
3-0CY-B4	10/29/99 1411	70	12								
3-0CY-B5	10/29/99 1411	78	4								
3-0CY-B6	10/29/99 1411	73	11								
3-0CY-B7	10/29/99 1411	74	8	99	106	74	9	5	4	15	12

*Standard result is within +/- one times the MDL